

Organization Applicant

Street :
City :
State :
Country :
PostalCode :
PhoneNumber :
FaxNumber :
EmailAddress :

<110> OrganizationName : Medical College of Ohio

Individual Applicant

Street :
City :
State :
Country :
PostalCode :
PhoneNumber :
FaxNumber :
EmailAddress :

<110> LastName : Ratnam
<110> FirstName : Manohar
<110> MiddleInitial :
<110> Suffix :

Application Project

<120> Title : Folate Receptor Gene Modulation For Cancer Diagnosis
and Therapy
<130> AppFileReference : 9178
<140> CurrentAppNumber :
<141> CurrentFilingDate : ____-__-__

Earlier Applications

<150> PriorAppNumber : US 60/455,705
<151> PriorFilingDate : 2003-03-17

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
gtgaccacct ggagaaggca atgaggctca agccagggag ggggtgggtgtc taatcctacc
60
tttcattgga tctgggaaaa ctgagggaga tgggggcagg gctctatctg ccccaggctt
120

ccgtccaggc cccaccctcc tggagccctg cacacaactt aaggccccac ctccgcattc
180

cttggtgcca ctgaccacag ctctttcttc agggacagac atg
223

<212> Type : DNA

<211> Length : 223

SequenceName : 1

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

tgaggctcaa gc

12

<212> Type : DNA

<211> Length : 12

SequenceName : 2

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

gggaggggtg gtg

13

<212> Type : DNA

<211> Length : 13

SequenceName : 3

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

ctgagggaga tgggggcagg gc

22

<212> Type : DNA

<211> Length : 22

SequenceName : 4

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

ccccaccctc c

11

<212> Type : DNA
 <211> Length : 11
 SequenceName : 5
 SequenceDescription :

Sequence

```

-----
<213> OrganismName : Homo sapiens
<400> PreSequenceString :
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc
  60
agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg
 120
cactgttaat tcaccccctc ccactacccc atggaggcct ggctgggtgct cacatacaat
 180
aattaactgc tgagtggcct tcgcccatac ccaggctcca ctctggggct ccattcccac
 240
tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga
 300
gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg
 360
acactcccca tcccccttca gaggccacac accctatggc attcccacca tgtgttaagg
 420
attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga
 480
ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc
 540
cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag
 600
tctggggccc caaggttggg tgtggggggtc atgattgttg gtggggaggg gtcacagctg
 660
gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct
 720
caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact
 780
gaacaggtgg gctccactgg gggctccgga aaggattttc tcagcccca tccccagcac
 840
tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca
 900
aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat
 960
ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct
1020
tacatttaat ctttgcagga gaaagctaag cctcaagata gtttgcttct ctttcccca
1080
aggccaagga gaaggtggag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg
1140
ctctaaacag ttagggtttg ttcccgagg aactgaaccc aaaggatcac ctggtattcc

```

1200
 ctgagagtac agatttctcc ggcgtggccc tcaagggttag tgagtgagca ggtccacagg
 1260
 ggcattgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga aacttggaat
 1320
 caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc
 1380
 aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc
 1440
 ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggagggggcag cacgggggca
 1500
 aggcaagctt gtgagcggga aaggcatgtc cacttttagcg actggtatgt ggaagatgag
 1560
 ttagaggaga cagatggaga gaagtcatag gaaataaatt ctgagcattt taggagggcc
 1620
 cagacacctg gtgtccagtg gagtgaagga aacagtcgcc tcccaaaatt cagtgtctga
 1680
 ggtcaaagga ttgaagttct gtgatgacca aggagaagcc agctctgtgg tagggggcac
 1740
 aggagctccc caaggcccca gggctgtcca gctggctgtc ccctgccagc acccatgtcc
 1800
 tgtgacccca cccaccaag atcccatggt ttccgggaag ggctactaa actagcttga
 1860
 gtgatgaggc tagaaagggg ctgggaccaa ggtttaaaaa gcaaaacaaa ctaacaaaaa
 1920
 ccacactgca gcccccccaa ctaaaacatt tttataaact tttttttttt ttttgagatg
 1980
 gagtctcgct ctgtcaccca ggctagagtg caatggcaca atcttggtc actgtaacct
 2040
 ccacctctg gattcaagtg attctcctgc ctcagcctcc cacgtagctg ggactacagg
 2100
 cacacgacac cgcacccagc tcattttgta tttttagtag agacagggtt tcactatgtt
 2160
 ggccaggctg gtctcaaact tctgacctca ggtgatccac ccacctcagc cttccaaagt
 2220
 gctgggatta caggcatgag ccaccgcgcc cagcccattt ttgtaaactt ttacaatgaa
 2280
 gtaatttggg gtcaaaatct gacctgaaaa ttaatgtgag tttatgtata gttttaattt
 2340
 atcccactag tgtaactgtt tcaccccaga atatacactt gattattggg tatatgaaaa
 2400
 aaatatattt tttgaatcac ctttgatgaa atcctaaaaa attttaacc tgaaacattt
 2460
 gaataaggca ttgtggacct atggcaaact cctggctatt tctgcatttt gcccaaattc
 2520
 atccttgaat tatatcacct gaacctcgtg accacctgga gaaggcaatg aggctcaagc
 2580
 caggggagggg tggtgtctaa tcctaccttt cattggatct gggaaaactg agggagatgg

2640
 gggcagggtct ctatctgccc caggcttccg tccaggcccc accctcctgg agccctgcac
 2700
 acaacttaag gccccacctc cgc
 2723
 <212> Type : DNA
 <211> Length : 2723
 SequenceName : 6
 SequenceDescription :

Sequence

 <213> OrganismName : Homo sapiens
 <400> PreSequenceString :
 gggaggggtg gtgtctaatac ctacctttca ttggatctgg gaaaactgag ggagatgggg
 60
 gcagggtct atctgccccca ggcttccgtc caggccccac cctcc
 105
 <212> Type : DNA
 <211> Length : 105
 SequenceName : 7
 SequenceDescription :

Sequence

 <213> OrganismName : Homo sapiens
 <400> PreSequenceString :
 gcattccttg gtgccactga ccacagctct ttcttcaggg acagaca
 47
 <212> Type : DNA
 <211> Length : 47
 SequenceName : 8
 SequenceDescription :

Sequence

 <213> OrganismName : Homo sapiens
 <400> PreSequenceString :
 gtcagcatat gtagtccgc cc
 22
 <212> Type : DNA
 <211> Length : 22
 SequenceName : 9
 SequenceDescription :

Sequence

 <213> OrganismName : Homo sapiens

```

<400> PreSequenceString :
aaacttaagc agcgatgggg c
      21
<212> Type : DNA
<211> Length : 21
      SequenceName : 10
      SequenceDescription :

```

Sequence

```

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
attctccgcg gcatcgctga c
      21
<212> Type : DNA
<211> Length : 21
      SequenceName : 11
      SequenceDescription :

```

Sequence

```

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
cactgcatac gacgattctg tg
      22
<212> Type : DNA
<211> Length : 22
      SequenceName : 12
      SequenceDescription :

```

Sequence

```

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
attcgatcgg ggcggggcga g
      21
<212> Type : DNA
<211> Length : 21
      SequenceName : 13
      SequenceDescription :

```

Sequence

```

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
gtcaggtcac agtgacctga
      20
<212> Type : DNA

```

<211> Length : 20
 SequenceName : 14
 SequenceDescription :

Sequence

 <213> OrganismName : Homo sapiens
 <400> PreSequenceString :
 ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc
 60
 agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg
 120
 cactgttaat tcaccccctc ccactacccc atggaggcct ggctgggtgct cacatacaat
 180
 aattaactgc tgagtggcct tcgcccatac ccaggctcca ctcttgggct ccattcccac
 240
 tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga
 300
 gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggatatgtg
 360
 aactcccca tcccccttca gaggccacac accctatggc attcccacca tgtgttaagg
 420
 attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga
 480
 ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc
 540
 cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag
 600
 tctggggccc caaggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagctg
 660
 gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct
 720
 caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact
 780
 gaacaggtgg gctccactgg gggctccgga aaggattttc tcagcccca tccccagcac
 840
 tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca
 900
 aaagagctct ggcctgaact tgggtgggtc ctactgtgtg acttggggca tggccctcat
 960
 ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct
 1020
 tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttcccca
 1080
 aggccaagga gaagg
 1095
 <212> Type : DNA
 <211> Length : 1095

SequenceName : 15
 SequenceDescription :

Sequence

```

-----
<213> OrganismName : Homo sapiens
<400> PreSequenceString :
ttggaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc
  60
agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg
 120
cactgttaat tcaccccctc ccactacccc atggaggcct ggctgggtgct cacatacaat
 180
aattaactgc tgagtggcct tcgcccattc ccaggctcca ctcttgggct ccattcccac
 240
tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga
 300
gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg
 360
acactcccca tcccccttca gaggccacac accctatggc attcccacca tgtgttaagg
 420
attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga
 480
ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc
 540
cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag
 600
tctggggccc caagggtggg tgtgggggtc atgattgttg gtggggaggg gtcaagagctg
 660
gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct
 720
caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact
 780
gaacaggttg gctccactgg gggctccgga aaggattttc tcagccccc a tccccagcac
 840
tgtgtgttgg cgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca
 900
aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat
 960
ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct
1020
tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccc
1080
aggccaagga gaaggtggag tgagggtggt ggtcgggaca ggttgaacgg gaaccctgtg
1140
ctctaaacag ttagggtttg ttcccgagga aactgaaccc aaaggatcac ctggtattcc
1200
ctgagagtag agatttctcc ggcgtggccc tcaagggttag tgagttagca ggtccacagg

```


1260
 ggcattgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga aacttggaat
 1320
 caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc
 1380
 aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc
 1440
 ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggagggggcag cacggggggca
 1500
 aggcaagctt gtgagcggga aaggcatgtc cacttttagcg actggtatgt ggaagatgag
 1560
 ttagaggaga cagatggaga gaagtcatag gaaataaatt ctgagcattt taggagggcc
 1620
 cagacacctg gtgtccagtg gagtgaagga aacagtcgcc tcccaaaatt cagtgtctga
 1680
 ggtcaaagga ttgaagttct gtgatgacca aggagaagcc agctctgtgg tagggggcac
 1740
 aggagctccc caaggcccca gggctgtcca gctggctgtc ccctgccagc acccatgtcc
 1800
 tgtgacccca cccaccaag atcccatggt ttccgggaag ggcctactaa actagcttga
 1860
 gtgatgaggc tagaaagggg ctgggaccaa ggtttaaaaa gcaaaacaaa ctaacaaaaa
 1920
 ccacactgca gcccccccaa ctaaaacatt tttataaact tttttttttt ttttgagatg
 1980
 gagtctcgct ctgtcaccca ggctagagtg caatggcaca atcttggctc actgtaacct
 2040
 ccacctcctg gattcaagtg attctcctgc ctcagcctcc cacgtagctg ggactacagg
 2100
 cacacgacac cgcaccagc tcattttgta tttttagtag agacagggtt tcactatggt
 2160
 ggccaggctg gtctcaaact tctgacctca ggtgatccac ccacctcagc cttccaaagt
 2220
 gctgggatta caggcatgag ccaccgcgcc cagcccattt ttgtaaactt ttacaatgaa
 2280
 gtaatttggg gtcaaaatct gacctgaaaa ttaatgtgag tttatgtata gttttaattt
 2340
 atcccactag tgtaactgtt tcaccccaga atatacactt gattattggg tatatgaaaa
 2400
 aaatattttc tttgaatcac ctttgatgaa atcctaaaaa attttaacct tgaaacattt
 2460
 gaataaggca ttgtggacct atggcaaact cctggctatt tctgcatttt gcccaaattc
 2520
 atccttgaat tatatcacct gaacctcgtg accacctgga gaaggcaatg aggctcaagc
 2580
 cagggagggg tgggtgtctaa tcctaccttt cattggatct gggaaaactg agggagatgg
 2640
 gggcagggct ctatctgccc caggcttccg tccaggcccc accctcctgg agccctgcac

2700

acaacttaag gccccacctc cgc

2723

<212> Type : DNA

<211> Length : 2723

SequenceName : 16

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

ggagatgggg gcagggctct atctgccccca ggcttccgtc c

41

<212> Type : DNA

<211> Length : 41

SequenceName : 17

SequenceDescription :

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

gatgaggcta gaaaggggct gggaccaagg tttaaaaagc aaaacaaact aacaaaaacc

60

acactgcagc ccccccaact aaaacatttt tataaacttt

100

<212> Type : DNA

<211> Length : 100

SequenceName : 18

SequenceDescription :